

Candidate Information Bulletin



STATE OF UTAH Professional Structural Engineer

Examination

- NCEES Structural I and Structural II Examinations

Examination Process

Candidates apply directly to Experior for the examinations.

Send the completed Application for Admission to the Examination form and fees to Experior by the deadline.

Experior

5486 South 1900 West, Suite C
Taylorsville, Utah 84118

Licensure Process

Upon completion of all licensure requirements including passing the examination, submit a complete application for licensure to:

By US Mail

Division of Occupational and Professional Licensing

P.O. Box 146741
Salt Lake City, Utah 84114-6741

By Delivery or Express Mail

Division of Occupational and Professional Licensing

160 East 300 South, 4th floor
Salt Lake City, Utah 84111

Applications for licensure are available on the Internet at
<http://www.commerce.state.ut.us/dopl/dopl1.htm>

You may also obtain them from:

Experior

5486 South 1900 West, Suite C
Taylorsville, Utah 84118
801.355.5009

Candidates with Special Needs

If you require a special testing accommodation under the *Americans with Disabilities Act (ADA)*, please contact Experior to obtain an Accommodation Request Form. You will be required to submit written verification of your disability before scheduling your examination.

Examination Fees

Examination fees may be paid by check or money order made payable to Experior.

The examination fee(s):

Structural I is **\$160.00**

Structural II is **\$450.00**

Test fees are nonrefundable and nontransferable.

Examination Dates

The NCEES Principles and Practice Examination in the Category of Civil and the NCEES Structural I and Structural II Examinations are held twice a year in April and October.

<i>Exam Date</i>	<i>Deadline for Exam Registration</i>
October 27, 2000	August 25, 2000

Admission to the Exam

Approximately three weeks before the exam, Experior will send you an admission letter that will show the specific date, time, and location of the exam.

If you lose your admission letter, or have not received an admission letter two days before the exam date, contact Experior immediately at 801.355.5009.

Please notify Experior and the Division of any change of address. Send notification of change of address to:

Experior

5486 South 1900 West, Suite C
Taylorsville, Utah 84118

What to Bring to the Exam

Be sure to bring your admission letter and a photo identification, such as a driver's license.

Please bring at least two No. 2 pencils with erasers for marking your answer sheet.

Textbooks, handbooks, bound reference materials, slide rules, and/or silent, battery-operated, nonprinting calculators may be used. However, no writing tablets, unbound tables, or unbound notes are permitted in the examination room.



Materials Permitted in Examination Room

1. Devices or materials that might compromise the security of the examination or examination process are not permitted.
2. Non-communicating, battery-operated, silent, nonprinting calculators are permitted.
3. Calculating and computing devices having a QWERTY keypad arrangement similar to a typewriter or keyboard are not permitted. Such devices include but are not limited to palmtop, laptop, handheld, and desktop computers, calculators, databanks, data collectors, and organizers. Calculators with alphanumeric keypads are permitted.
4. Communication devices, such as pagers and cellular phones are not permitted.

Score Information

Your score will be based on the number of questions you answer correctly. You will not be given credit for any question that has been answered incorrectly, left blank or marked with more than one answer. Be sure to mark an answer for each question.

A score report will be mailed to you and the Division about three months after each test date. To ensure confidentiality, scores will not be given over the telephone.

Description of the NCEES Structural I and Structural II Examinations

Structural I Approx. Percentage of Examination

I. Analysis

- | | |
|---|----|
| A. Loads, Moments, Shears and Deflections | 22 |
| Vertical Loads (Static, moving, snow), Lateral Loads (Earth/hydraulic, seismic, wind), Temperature, Shrinkage and/or Creep Effects, Miscellaneous Bridge Loads, Load Combinations | |
| B. Structural Stability | 15 |
| Overturning, Sliding, Load Path | |

II. Design

- | | |
|---|----|
| A. Flexure and Shear/Torsion | 20 |
| Reinforced Concrete, Pre-stressed Concrete, Structural Steel, Timber, Masonry, Composite Construction | |
| B. Axial Load and/or Combined Bending and Axial Loaded Members | 13 |
| (Columns, Walls, Truss Members), Reinforced Concrete, Structural Steel, Timber, Masonry, Composite Construction | |
| C. Foundations | 8 |
| Shallow Foundations, Deep Foundations | |
| D. Connections (Including Lateral Loads) | 10 |
| Reinforced Concrete, Pre-stressed Concrete, Structural Steel, Timber Masonry | |

- | | |
|--------------------------------------|----|
| E. Lateral Load Resisting Structures | 12 |
| Diaphragms, Shear Walls, Frames | |

Total **100**

Notes:

1. The examination is developed with problems that will require a variety of approaches and methodologies including design, analysis and application. Some problems may require knowledge of engineering economics. Approximately 20 percent of the exam will test bridge knowledge.
2. Examinees will work all questions.

Structural II # of Problems

Morning Session (Essay)

- | | |
|---|---|
| 1. Bridges | 1 |
| concrete and/or steel | |
| 2. Buildings | 1 |
| concrete, masonry, steel, and/or timber | |

Total number of morning problems **2**

Afternoon Session (Essay)

All afternoon problems have seismic content

- | | |
|---|---|
| 3. Bridges with Seismic | 1 |
| concrete and/or steel | |
| 4. Buildings with Seismic | 1 |
| concrete, masonry, steel, and/or timber | |

Total number of afternoon problems **2**

Note: Examinees are to work any one (1) problem selected from the two (2) problems presented in each session, in accordance with local instructions. All problems are essay type.

Study Guides

Study guides are available for the NCEES Structural I and Structural II Examinations. You may contact NCEES at the following address to obtain the study guide:

National Council of Examiners for Engineering and Surveying

ATTN: Publications Department

P.O. Box 1686

Clemson, SC 29633-1686

for credit card holders only call:

864.654.6824 Ext 233

Homepage: <http://www.ncees.org>

Copyrighted Exam Questions

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including up to five years in prison and/or a \$250,000 fine for criminal violations.



**APPLICATION FOR ADMISSION
TO
EXAMINATION**

Examination: NCEES Structural I and Structural II Examinations

Fees: Structural I \$160.00
 Structural II \$450.00
 Total Enclosed \$_____

Print Clearly or Type

Last Name: _____ First Name: _____ MI: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

Daytime Telephone: _____ Home Telephone: _____

Social Security No.: _____ - _____ - _____

Check one:

New applicant _____ Retake applicant _____ Date exam last taken _____

Exam Dates
_____ October 27, 2000

Deadline for Exam Registration
August 25, 2000

Method of Payment: (Check One)

_____ VISA _____ MasterCard _____ Check _____ Money Order

Card #: _____ Exp. Date _____

Signature (Required for Credit Card payment): _____

***** Test fees are nonrefundable and nontransferable. *****

Refer to Law and Rules for eligibility requirements.

Send completed application and fees to:

Experior
5486 South 1900 West, Suite C, Taylorsville, Utah 84118 ■ 801.355.5009 ■ FAX: 801.355.4008